RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/510,959_

Source: _PCT/10_

Date Processed by STIC: _11/8/04_

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 11/08/2004
PATENT APPLICATION: US/10/510,959   TIME: 12:01:10

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\11082004\J510959.raw

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    4 <110> APPLICANT: Lovejoy, David
    6         Chewpoy, R.B.
    8         Barsyte, Dalia
   10         Rotzinger, Susan
   13 <120> TITLE OF INVENTION: Tereuin C-Terminal Associated Peptides (TCAP) And Methods
And Uses
   14         Thereof
   16 <130> FILE REFERENCE: 2223-189
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/510,959
C--> 21 <141> CURRENT FILING DATE: 2004-11-01
   24 <150> PRIOR APPLICATION NUMBER: US 60/376,879
   26 <151> PRIOR FILING DATE: 2002-05-02
   30 <150> PRIOR APPLICATION NUMBER: US 60/377,231
   32 <151> PRIOR FILING DATE: 2002-05-03
   36 <150> PRIOR APPLICATION NUMBER: US 60/424,016
   38 <151> PRIOR FILING DATE: 2002-11-06
   42 <160> NUMBER OF SEQ ID NOS: 136
   46 <170> SOFTWARE: PatentIn version 3.1
   50 <210> SEQ ID NO: 1
   52 <211> LENGTH: 1490
   54 <212> TYPE: DNA
   56 <213> ORGANISM: Artificial Sequence
   60 <220> FEATURE:
   62 <223> OTHER INFORMATION: Rainbow Trout Ten M3 carboxy termini'
   64 <400> SEQUENCE: 1
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   69 ttcgccaccg ccaagtctct gatcggtaag ggtgtcatgt tggcggtgac gcaggccgt      180
   71 gtggtcacca acgctctgaa catcgccaac gaggactgca tcaaggtcgc cgccgtcctc     240
   73 aacaatgcgt tctacctgga ggacctgcac ttcacggtgg agggacgcga cacgcactac     300
   75 ttcatcaaga ccagcctccc ggagagcgac ctgggagcgc tgaggctgac aagcgggagg     360
   77 aagtcgctgg agaacggaag tcaacgtgac tgtgtcccag tccaccaccg tggtgaacgg     420
   79 cagaaccggc gcttcgccga cgtggagctg cagtacggcg ctctagcgct ccacgtgcgc     480
   81 tatggcatga ctctggacga ggagaaggcg cgtgtgctgg agcaggccag gcagaaggcg     540
   83 ttgtcgagtg cctggtccag ggagcaacaa cgggtgaggg aggggagga ggggtgagg      600
   85 ctgtggacgg aggggagaa gaggcagctg ctgagcggga ggaaggttct gggctacgac     660
   87 gggtactacg tcctctccat agagcagtac cccgagctag cagactccgc taacaacatc     720
   89 cagttcctca ggcagagcga ataagggaag aggtaacaga cagaatcctc ggcactggcc     780
   91 gccaaagaga ctaccccctc caaatcctgc cccccaacct ccctcgcctc cccccttttc     840
   93 tctaaaaagg gggagggtcc aggctagtgc tgtgtttagc gccgactagc tgaaacaaac     900
   95 agtaaaatgt agaatatctt aaactgaact atacctaata ctaccactgt ggggcctgaa     960
   97 aatcaaacaa aacggctcca actgacgcaa atgtttgtcc catgtgctat acagcgttga    1020
   99 atggactgtg gactctcttg aaaagagaga aaaaaaagtc aaaactctcg gtttgtgaaa    1080
  101 ggagaaaaaa acgttttttt ttttttaaa tagacttcct gaatttgctt tcggaaaaaa    1140
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103 tattttaaaa agaaagaaga aatgtgttta catacgcata acactacaac acgtctggac     1200
105 taatagaaga aaagccttct ggtttcttac acaggacaac gtctataatc tgattctaca     1260
107 tcctgacgac tgacctttga ttgacctttg cgtactgaaa aaggtagtgt tgttgttcgc     1320
109 agtaggacca tgggtctcca atggtggtaa ctagacagtt aaaaccactt gttgaaacca     1380
111 cttgcttgtt cttctgcttt tctttccaaa agggacaaaa cagctcccac caagtgactt     1440
113 ctttaccaat actagatcaa agtgggacgt tttgggctcg tgccgaattc                 1490
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118 <211> LENGTH: 756
120 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
128 <223> OTHER INFORMATION: Rainbow Trout Ten M3 coding sequence of carboxy termini of
Ten M3
130 <400> SEQUENCE: 2
131 tccatctcgg gggtgcaaca ggaagtgacc cggcaagcca aggctttcct gtccttcgag        60
133 aggatgccgg agatccagct gagccgccgg cgctccaacc gggagaaacc ctggctgtgg       120
135 ttcgccaccg ccaagtctct gatcggtaag ggtgtcatgt tggcggtgac gcagggccgt       180
137 gtggtcacca acgctctgaa catcgccaac gaggactgca tcaaggtcgc cgccgtcctc       240
139 aacaatgcgt tctacctgga ggacctgcac ttcacggtgg agggacgcga cacgcactac       300
141 ttcatcaaga ccagcctccc ggagagcgac ctgggagcgc tgaggctgac aagcgggagg       360
143 aagtcgctgg agaacggaag tcaacgtgac tgtgtcccag tccaccaccg tggtgaacgg       420
145 cagaaccggc gcttcgccga cgtggagctg cagtacggcg ctctagcgct ccacgtgcgc       480
147 tatggcatga ctctggacga ggagaaggcg cgtgtgctgg agcaggccag gcagaaggcg       540
149 ttgtcgagtg cctggtccag ggagcaacaa cgggtgaggg aggggagga gggggtgagg        600
151 ctgtggacgg aggggagaa gaggcagctg ctgagcggga ggaaggttct gggctacgac        660
153 gggtactacg tcctctccat agagcagtac cccgagctag cagactccgc taacaacatc       720
155 cagttcctca ggcagagcga aatagggaag aggtaa                                 756
158 <210> SEQ ID NO: 3
160 <211> LENGTH: 251
162 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
170 <223> OTHER INFORMATION: Rainbow Trout Ten M3 carboxy termini of Ten M3
172 <400> SEQUENCE: 3
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178 Leu Ser Phe Glu Arg Met Pro Glu Ile Gln Leu Ser Arg Arg Arg Ser
179                 20                  25                  30
182 Asn Arg Glu Lys Pro Trp Leu Trp Phe Ala Thr Ala Lys Ser Leu Ile
183             35                  40                  45
186 Gly Lys Gly Val Met Leu Ala Val Thr Gln Gly Arg Val Val Thr Asn
187         50                  55                  60
190 Ala Leu Asn Ile Ala Asn Glu Asp Cys Ile Lys Val Ala Ala Val Leu
191 65                  70                  75                  80
194 Asn Asn Ala Phe Tyr Leu Glu Asp Leu His Phe Thr Val Glu Gly Arg
195                 85                  90                  95
198 Asp Thr His Tyr Phe Ile Lys Thr Ser Leu Pro Glu Ser Asp Leu Gly
199                 100                 105                 110
202 Ala Leu Arg Leu Thr Ser Gly Arg Lys Ser Leu Glu Asn Gly Val Asn
203         115                 120                 125
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206 Val Thr Val Ser Gln Ser Thr Thr Val Val Asn Gly Arg Thr Arg Arg
207     130                 135                 140
210 Phe Ala Asp Val Glu Leu Gln Tyr Gly Ala Leu Ala Leu His Val Arg
211 145                 150                 155                 160
214 Tyr Gly Met Thr Leu Asp Glu Glu Lys Ala Arg Val Leu Glu Gln Ala
215                 165                 170                 175
218 Arg Gln Lys Ala Leu Ser Ser Ala Trp Ser Arg Glu Gln Gln Arg Val
219                 180                 185                 190
222 Arg Glu Gly Glu Glu Gly Val Arg Leu Trp Thr Glu Gly Glu Lys Arg
223             195                 200                 205
226 Gln Leu Leu Ser Gly Arg Lys Val Leu Gly Tyr Asp Gly Tyr Tyr Val
227     210                 215                 220
230 Leu Ser Ile Glu Gln Tyr Pro Glu Leu Ala Asp Ser Ala Asn Asn Ile
231 225                 230                 235                 240
234 Gln Phe Leu Arg Gln Ser Glu Ile Gly Lys Arg
235                 245                 250
238 <210> SEQ ID NO: 4
240 <211> LENGTH: 252
242 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
250 <223> OTHER INFORMATION: Mouse Ten M1
252 <400> SEQUENCE: 4
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255 1               5                 10                  15
258 Ile Ser Leu Asp Gln Leu Pro Met Thr Pro Gln Tyr Asn Glu Gly Arg
259             20                  25                  30
262 Cys Leu Glu Gly Gly Lys Gln Pro Arg Phe Ala Ala Val Pro Ser Val
263             35                  40                  45
266 Phe Gly Lys Gly Ile Lys Phe Ala Ile Lys Glu Gly Ile Val Thr Ala
267     50                  55                  60
270 Asp Ile Ile Gly Val Ala Asn Glu Asp Ser Arg Arg Leu Ala Ala Ile
271 65                  70                  75                  80
274 Leu Asn Asn Ala His Tyr Leu Glu Asn Leu His Phe Thr Ile Glu Gly
275                 85                  90                  95
278 Arg Asp Thr His Tyr Phe Ile Lys Leu Gly Ser Leu Glu Glu Asp Leu
279             100                 105                 110
282 Val Leu Ile Gly Asn Thr Gly Gly Arg Arg Ile Leu Glu Asn Gly Val
283             115                 120                 125
286 Asn Val Thr Val Ser Gln Met Thr Ser Val Leu Asn Gly Arg Thr Arg
287     130                 135                 140
290 Arg Phe Ala Asp Ile Gln Leu Gln His Gly Ala Leu Cys Phe Asn Ile
291 145                 150                 155                 160
294 Arg Tyr Gly Thr Thr Val Glu Glu Glu Lys Asn His Val Leu Glu Met
295             165                 170                 175
298 Ala Arg Gln Arg Ala Val Ala Gln Ala Trp Thr Gln Glu Gln Arg Arg
299             180                 185                 190
302 Leu Gln Glu Gly Glu Glu Gly Thr Arg Val Trp Thr Glu Gly Glu Lys
303     195                 200                 205
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306 Gln Gln Leu Leu Gly Thr Gly Arg Val Gln Gly Tyr Asp Gly Tyr Phe
307   210   215   220
310 Val Leu Ser Val Glu Gln Tyr Leu Glu Leu Ser Asp Ser Ala Asn Asn
311 225   230   235   240
314 Ile His Phe Met Arg Gln Ser Glu Ile Gly Arg Arg
315   245   250
318 <210> SEQ ID NO: 5
320 <211> LENGTH: 253
322 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
330 <223> OTHER INFORMATION: Mouse Ten M2
332 <400> SEQUENCE: 5
334 Leu Ile Thr Gly Val Gln Gln Thr Thr Glu Arg His Asn Gln Ala Phe
335 1   5   10   15
338 Leu Ala Leu Glu Gly Gln Val Ile Thr Lys Lys Leu His Ala Ser Ile
339   20   25   30
342 Arg Glu Lys Ala Gly His Trp Phe Ala Thr Thr Thr Pro Ile Ile Gly
343   35   40   45
346 Lys Gly Ile Met Phe Ala Ile Lys Glu Gly Arg Val Thr Thr Gly Val
347   50   55   60
350 Ser Ser Ile Ala Ser Glu Asp Ser Arg Lys Val Ala Ser Val Leu Asn
351 65   70   75   80
354 Asn Ala Tyr Tyr Leu Asp Lys Met His Tyr Ser Ile Glu Gly Lys Asp
355   85   90   95
358 Thr His Tyr Phe Val Lys Ile Gly Ala Ala Asp Gly Asp Leu Val Thr
359   100   105   110
362 Leu Gly Thr Thr Ile Gly Arg Lys Val Leu Glu Ser Gly Val Asn Val
363   115   120   125
366 Thr Val Ser Gln Pro Thr Leu Leu Val Asn Gly Arg Thr Arg Arg Phe
367   130   135   140
370 Thr Asn Ile Glu Phe Gln Tyr Ser Thr Leu Leu Leu Ser Ile Arg Tyr
371 145   150   155   160
374 Gly Leu Thr Pro Asp Thr Leu Asp Glu Glu Lys Ala Arg Val Leu Asp
375   165   170   175
378 Gln Ala Gly Gln Arg Ala Leu Gly Thr Ala Trp Ala Lys Glu Gln Gln
379   180   185   190
382 Lys Ala Arg Asp Gly Arg Glu Gly Ser Arg Leu Trp Thr Glu Gly Glu
383   195   200   205
386 Lys Gln Gln Leu Leu Ser Thr Gly Arg Val Gln Gly Tyr Glu Gly Tyr
387   210   215   220
390 Tyr Val Leu Pro Val Glu Gln Tyr Pro Glu Leu Ala Asp Ser Ser Ser
391 225   230   235   240
394 Asn Ile Gln Phe Leu Arg Gln Asn Glu Met Gly Lys Arg
395   245   250
398 <210> SEQ ID NO: 6
400 <211> LENGTH: 251
402 <212> TYPE: PRT
404 <213> ORGANISM: Artificial Sequence

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408 <220> FEATURE:
410 <223> OTHER INFORMATION: Mouse Ten M3
412 <400> SEQUENCE: 6
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415 1               5                   10                  15
418 Leu Ser Leu Gly Lys Met Ala Glu Val Gln Val Ser Arg Arg Lys Ala
419             20                  25                  30
422 Gly Ala Glu Gln Ser Trp Leu Trp Phe Ala Thr Val Lys Ser Leu Ile
423         35                  40                  45
426 Gly Lys Gly Val Met Leu Ala Val Ser Gln Gly Arg Val Gln Thr Asn
427     50                  55                  60
430 Val Leu Asn Ile Ala Asn Glu Asp Cys Ile Lys Val Ala Ala Val Leu
431 65                  70                  75                  80
434 Asn Asn Ala Phe Tyr Leu Glu Asn Leu His Phe Thr Ile Glu Gly Lys
435                 85                  90                  95
438 Asp Thr His Tyr Phe Ile Lys Thr Thr Thr Pro Glu Ser Asp Leu Gly
439             100                 105                 110
442 Thr Leu Arg Leu Thr Ser Gly Arg Lys Ala Leu Glu Asn Gly Ile Asn
443         115                 120                 125
446 Val Thr Val Ser Gln Ser Thr Thr Val Val Asn Gly Arg Thr Arg Arg
447     130                 135                 140
450 Phe Ala Asp Val Glu Met Gln Phe Gly Ala Leu Ala Leu His Val Arg
451 145                 150                 155                 160
454 Tyr Gly Met Thr Leu Asp Glu Glu Lys Ala Arg Ile Leu Glu Gln Ala
455                 165                 170                 175
458 Arg Gln Arg Ala Leu Ala Arg Ala Trp Ala Arg Glu Gln Gln Arg Val
459             180                 185                 190
462 Arg Asp Gly Glu Glu Gly Ala Arg Leu Trp Thr Glu Gly Glu Lys Arg
463         195                 200                 205
466 Gln Leu Leu Ser Ala Gly Lys Val Gln Gly Tyr Asp Gly Tyr Tyr Val
467     210                 215                 220
470 Leu Ser Val Glu Gln Tyr Pro Glu Leu Ala Asp Ser Ala Asn Asn Ile
471 225                 230                 235                 240
474 Gln Phe Leu Arg Gln Ser Glu Ile Gly Lys Arg
475                 245                 250
478 <210> SEQ ID NO: 7
480 <211> LENGTH: 243
482 <212> TYPE: PRT
484 <213> ORGANISM: Artificial Sequence
488 <220> FEATURE:
490 <223> OTHER INFORMATION: Mouse Ten M4
492 <400> SEQUENCE: 7
494 Ser Ile Leu Gly Val Gln Cys Glu Val Gln Lys Gln Leu Lys Ala Phe
495 1               5                   10                  15
498 Val Thr Leu Glu Arg Phe Asp Gln Leu Tyr Gly Ser Thr Ile Thr Ser
499             20                  25                  30
502 Cys Gln Gln Ala Pro Glu Thr Lys Lys Phe Ala Ser Ser Gly Ser Ile
503         35                  40                  45
506 Phe Gly Lys Gly Val Lys Phe Ala Leu Lys Asp Gly Arg Val Thr Thr
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/08/2004
PATENT APPLICATION: US/10/510,959   TIME: 12:01:11

Input Set : A:\PTO.FG.txt
Output Set: N:\CRF4\11082004\J510959.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:129; Xaa Pos. 1,3,4,5,6
Seq#:130; Xaa Pos. 1,2,3,4
Seq#:131; Xaa Pos. 2,3,4
Seq#:135; Xaa Pos. 5,6,9,19,32

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/510,959**

DATE: 11/08/2004
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Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\11082004\J510959.raw**

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L:19 M:270 C: Current Application Number differs, Replaced Application Number
L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:3903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
L:3964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
L:4015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
L:4039 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:132,Line#:4035
L:4799 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:133,Line#:4795
L:4949 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:134,Line#:4945
L:5109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0
M:341 Repeated in SeqNo=135
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